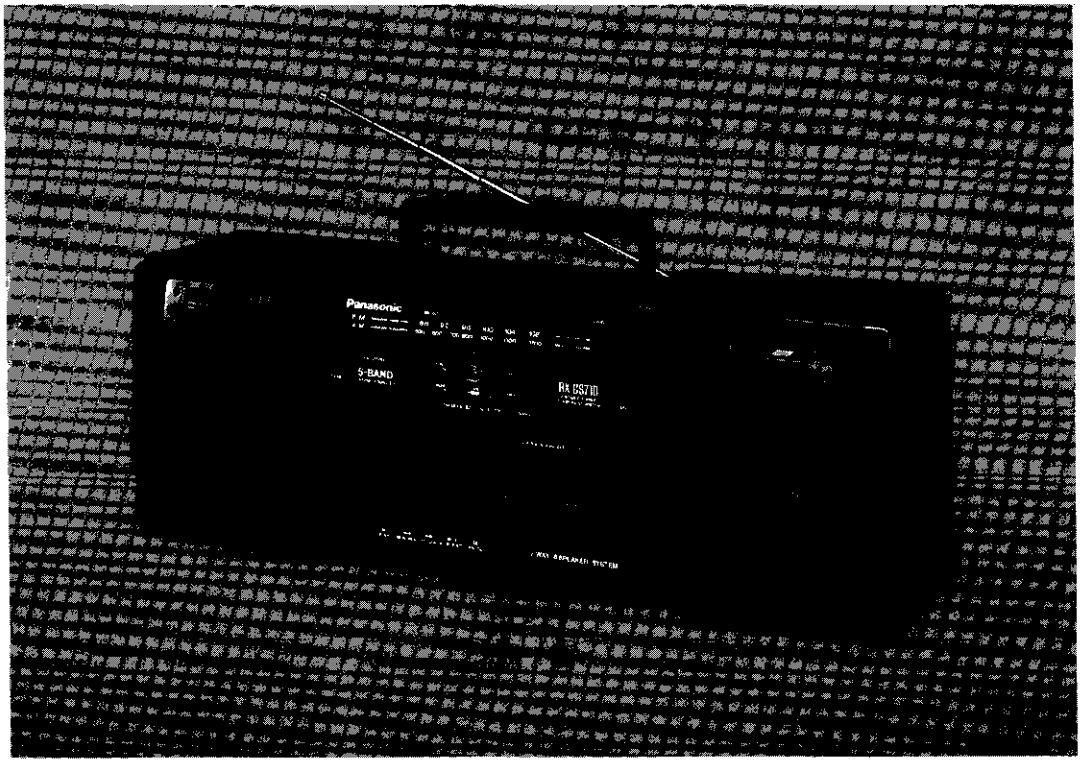
Operating Instructions

Portable Stereo Component System

MODEL NO. RX-CS710



Panasonic

Read these instructions completely before operating this unit.

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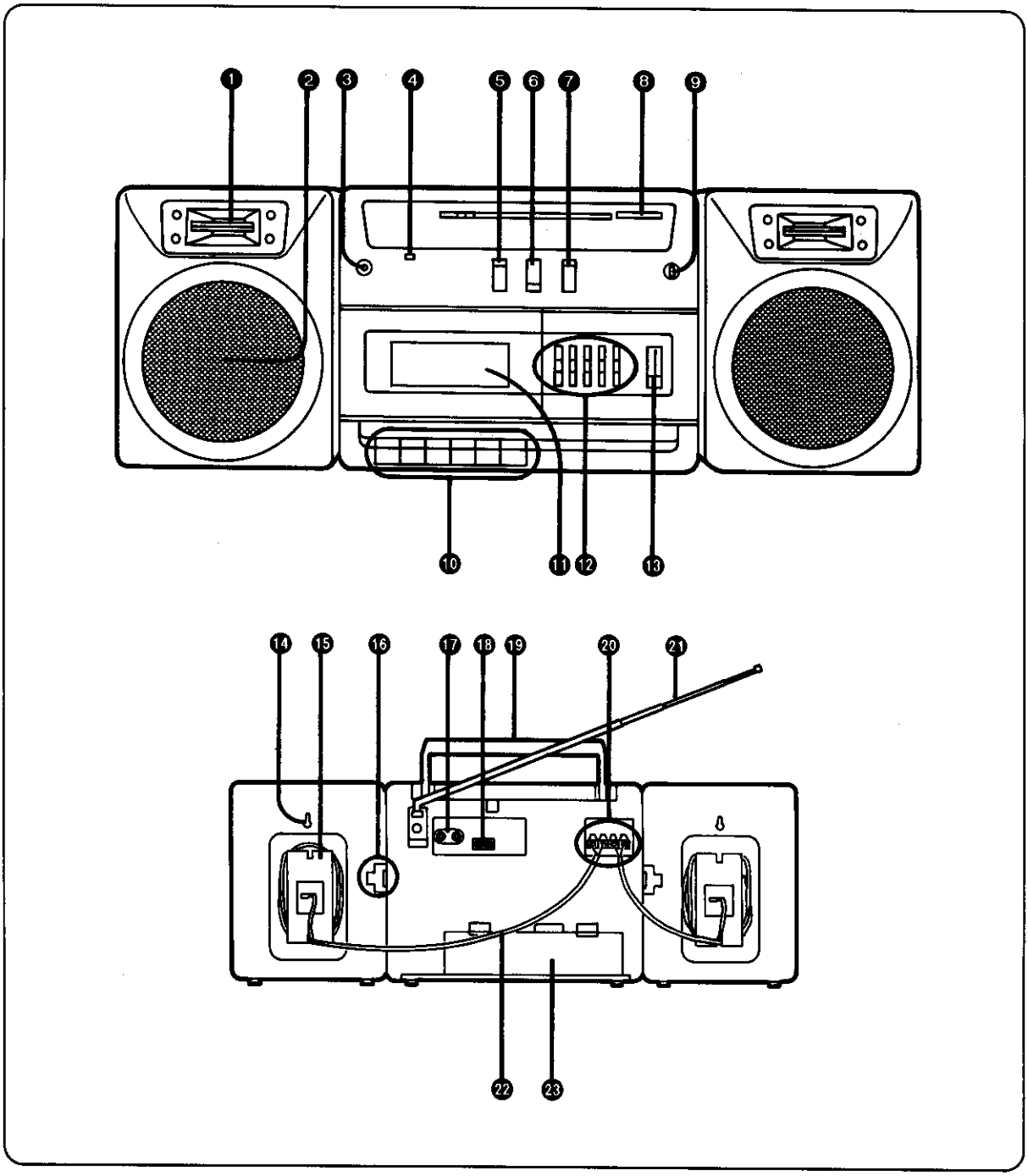
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Thank you for purchasing this unit.
For optimum performance, follow these operating instructions carefully.

LOCATION OF CONTROLS

❶ Speakers [Tweeter]

❷ Speakers [Woofer]

❸ Headphones Jack (PHONES)
- When using the headphones, avoid listening to sound at excessive volume levels, because it may injure your ears.
- Speakers are automatically cut off when headphones are connected.

❹ FM Stereo Indicator (FM STEREO)

❺ FM Mode Selector/Beat Proof Switch (FM MODE/B.P)

❻ Function Selector (SELECTOR)

❼ Band Selector (BAND)

❽ Tuning Control (TUNING)

❾ Built-in Microphone (MIC)

❿ Tape Operation Buttons

Record Button (● RECORD)
Playback Button (▶ PLAY)
Rewind/Review Button (◀◀ REW/REV)
Fast Forward/Cue Button (▶▶ FF/CUE)
Stop/Eject Button (■/▲ STOP/EJECT)
Pause Button (❚❚ PAUSE)

⓫ Cassette Compartment

⓬ Graphic Equalizer Controls (GRAPHIC EQUALIZER)

⓭ Volume Control (VOLUME)

⓮ Speaker Wall Mounts

⓯ Speaker Cable Compartments

⓰ Speaker Release Levers (RELEASE)

⓱ CD/LINE Input Jacks (CD/LINE IN)

⓲ AC Socket (AC IN ~)

⓳ Handle

⓴ Speaker Terminals [SPEAKER (IMP 2.7–8Ω)]

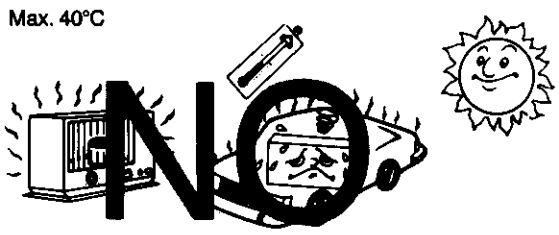
㉑ Telescopic Antenna

㉒ Speaker Cables

㉓ Battery Compartment

PRECAUTIONS

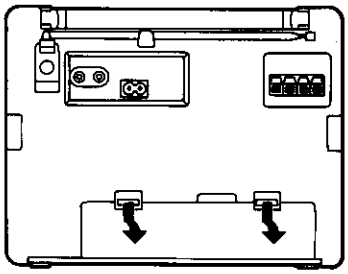
- **If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.**
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- Avoid cuts, scratches, or poor connections in the AC power cord, as they may result in possible fire or electric shock hazard. Also, excessive bending, pulling or splicing of the cord should be avoided.
- Do not unplug the AC power cord by pulling on the cord. To do so may cause premature failure or shock hazard.
- Do not operate the set on AC power in a bathroom, as a potential shock hazard may result.
- When not in use, disconnect the AC power cord from the AC power outlet.
- The Function Selector switch does not separate entire unit from mains even if in "TAPE/OFF" position.



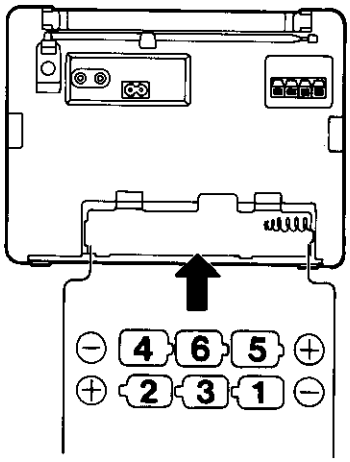
WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

■ Battery Operation

1. Open the Battery Compartment cover as shown in the figure below.



2. Insert 6 UM-1 size (Panasonic R20P/LR20 or equivalent, not included) batteries into the Battery Compartment, making sure that the batteries are installed in the designated numerical order and that the proper polarities are maintained.



3. Replace the compartment cover.

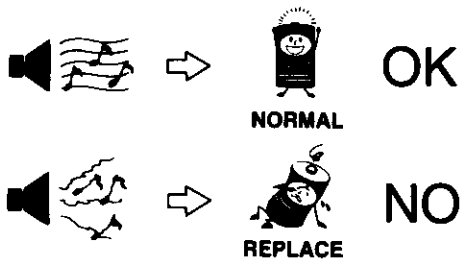
To Prevent Possible Damage to This Unit

- Load new batteries with their polarities (⊕ and ⊖) aligned correctly.
- Do not apply heat to batteries, or internal short-circuit may occur.
- If this unit is not to be used for a long period of time, or used on AC power supply, remove all batteries and store them in a cool and dry place.
- Remove spent batteries immediately.
- Do not use old and new batteries together. Also never use an alkaline battery with a manganese battery.

•Battery life

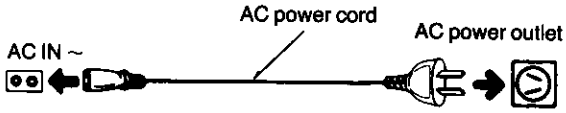
When the batteries are weak, the tape speed will slow down, the sound will become distorted, and the volume will decrease.

Set the Function Selector to "TAPE/OFF". Press the Playback Button. When the sound is distorted, it is time to replace all the batteries with new ones.



■ AC Power Operation

Connect the included AC power cord to the AC Socket in the unit and your household AC power outlet.



Note:
To operate on battery power, unplug the AC power cord from the household AC power outlet and the AC Socket on the unit.

•Important note:

If you cannot open the cassette compartment cover and eject the cassette tape when running this unit on batteries, replace the batteries with new ones, or use AC power source, and then press the Operation switch to turn on the unit, then perform the operation once again.

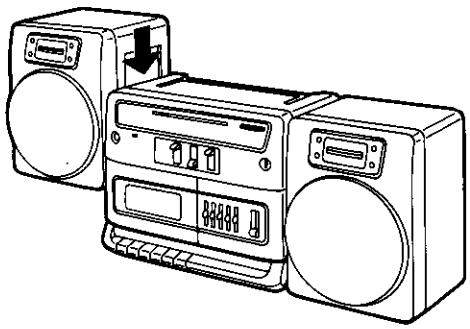
SPEAKER SYSTEM CONNECTION

This unit can be used as a one-piece portable stereo radio cassette recorder, or a three-piece component system, by attaching or detaching the speaker system.

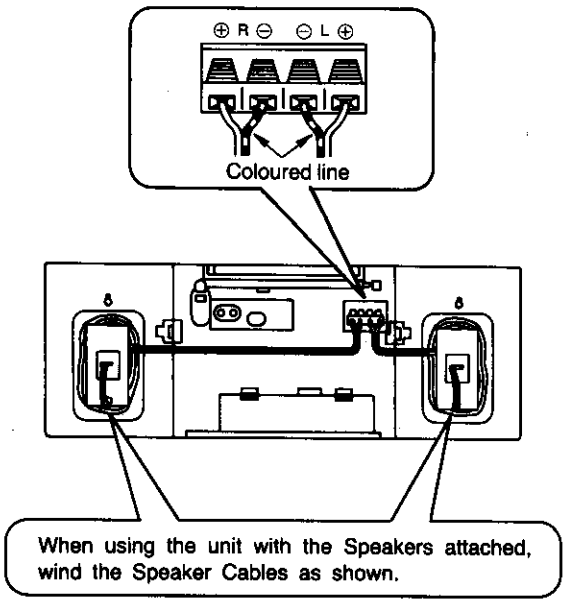
- Before attaching or detaching the Speakers, be sure to disconnect the Speaker Cables from the Speaker Terminals.
- Be sure to set the Function Selector to "TAPE/OFF" before connecting the Speaker Cables.

■ Attaching the Speakers

1. Align the speaker with the main unit as shown in the figure, interlock the grooves and press down.



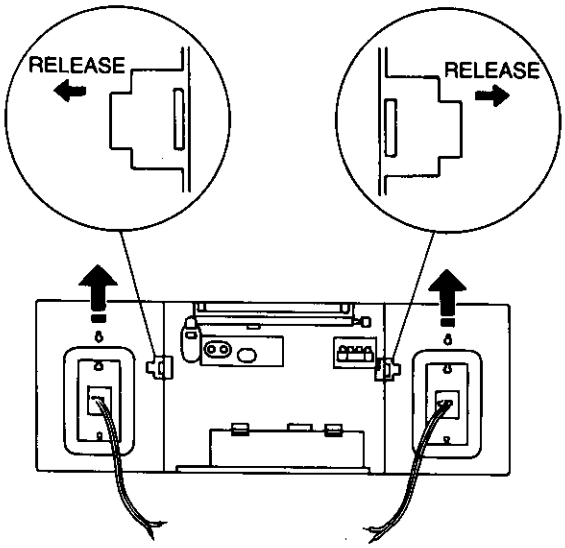
2. Connect the speaker cord end, marked by a coloured line, to the ⊖ speaker terminal and the other cord to the ⊕ speaker terminal.
   - Stereo effect and tonal quality are likely to be impaired if the polarities (⊕ and ⊖) are not properly maintained.



Note:
Since a strong magnet is used for the Speaker, keep magnetized commuter passes, tickets or personal credit cards, recorded tapes, watches, etc. away from the set. The speaker magnet in the set may damage them.

■ Detaching the Speakers

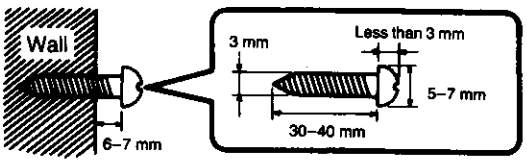
1. Unlock the Speaker Release Levers by pulling them in the direction shown below, and slide up each Speaker.



2. Connect the Speaker Cables to the Speaker Terminals.

■ Speaker Wall Mounts

1. Drive one screw into the wall for each speaker, as shown in the figure. Ensure that both the screws and the wall can support a 5 kg load.
2. Mount the Speakers to the wall by hanging the Speaker Wall Mounts (built into the speaker cabinet) onto the screws.



RADIO

1. Set the Function Selector to "RADIO".
2. Set the Band Selector to the desired radio band.
3. Tune in your favourite station using the Tuning Control.
4. Adjust the Volume and Graphic Equalizer Controls to the desired settings.
   (Refer to "Graphic Equalizer".)
5. The radio can be turned off by setting the Function Selector to "TAPE/OFF".

Notes:

- To receive FM stereo broadcasts, set the FM Mode Selector to "STEREO".
  The FM Stereo Indicator will light during stereo broadcasts.
- If FM stereo reception is poor (excessive noise, FM Stereo Indicator flickers), set the FM Mode Selector to "MONO".
  This will reduce the noise and provide clear reception; however, the broadcast will not be heard in stereo.

■ Graphic Equalizer

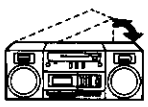
It allows you to tailor the frequency response of the unit to compensate for room acoustics and other factors which affect frequency response. The overall tone can be altered by adjusting the five controls which control the following frequency bands:
100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz.
Positioning the control to the "+" side of the detent will amplify the corresponding frequency band; the "−" side will attenuate it.

■ Antennas

FM:
Pull out the Telescopic Antenna and adjust its length and angle for optimum reception.
AM:
The sensitive ferrite core antenna inside the set will provide excellent AM reception in most areas. For optimum reception, turn the set in the direction which gives the best results, since the ferrite core antenna is directional.

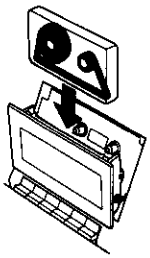
FM

AM



TAPE PLAYBACK

1. Open the Cassette Compartment cover by pressing the Stop/Eject Button. Insert the cassette as shown in the figure, and then close the Cassette Compartment cover.



Note:
Make sure the exposed part of the cassette tape faces down. If it is upside down, the Cassette Compartment cannot be closed. Do not try to force it shut.

2. Set the Function Selector to "TAPE/OFF".
3. Press the Playback Button to begin tape playback.
4. Adjust the Volume and Graphic Equalizer Controls to the desired settings.
5. To stop playback, press the Stop/Eject Button.
   Otherwise, at the end of the tape, the Playback Button will be released and the unit will be shut off automatically.

■ Full Auto-Stop

During playback, recording, fast forward or rewind when the tape reaches its end, the automatic stop system will release the operation buttons and automatically turn the unit off. Note that the unit is not turned off if the Function Selector is set to "RADIO" or "CD/LINE", it must be set to "TAPE/OFF".

■ Fast Forward and Rewind

The tape will move rapidly forward when the Fast Forward/Cue Button is pressed.
The tape will be rewound rapidly when the Rewind/Review Button is pressed.

Note:
Do not press the Playback Button during fast forward or rewind, as this may jam the tape. Always press the Stop/Eject Button first, between functions.

■ Cue and Review

If the Fast Forward/Cue Button (or Rewind/Review Button) is pressed during playback, the recorded sound on the tape can be monitored at a fast speed.
When the button is released, playback will resume.

■ Pause Button

The Pause Button can be used to temporarily stop the tape from moving during recording or playback.
Before beginning a recording, first press and lock the Pause Button. Then, press the Record Button. (The tape will not move.) When ready to record, press the Pause Button to release it. This will start tape movement for immediate recording.

Note:
Do not use the Pause Button to stop the tape for a long period of time.
The unit is not turned off when the Pause Button is pressed. Always use the Stop/Eject Button to turn the unit off.

RECORDING

•This unit has an Automatic Level Control (the recording level is automatically adjusted.)

■ Recording Radio Broadcasts

1. Follow the procedure described in "RADIO".
2. Insert the cassette into the Cassette Compartment.
3. Press the Record Button and the recording will begin.
4. To stop the recording, press the Stop/Eject Button.
5. Set the Function Selector to "TAPE/OFF" to turn the unit off.

Note:
The Graphic Equalizer does not function when recording. Only the monitor sound is affected.

•Beat Proof Switch
When an AM broadcast is recorded, the Beat Proof Switch can be used to reduce unwanted "beat" signals (whistle) which are sometimes present. Set the switch to the position where these "beat" signals are best reduced.

■ Recording through the Built-in Microphone (Monaural only)

The condenser microphone in this unit is omni-directional (all directions), so that recordings can be made from any direction.

1. Set the Function Selector to "TAPE/OFF".
2. Follow the procedure described in steps 2–4 of "Recording Radio Broadcasts".

■ Recording from External Equipment (Refer to page 9.)

1. Connect the output of the external equipment to the CD/Line Input Jacks.
2. Set the Function Selector to "CD/LINE".
3. Follow the procedure described in steps 2–5 of "Recording Radio Broadcasts".

■ Monitoring

The monitor system enables you to listen, through the Speakers or headphones, to the sound as it is being recorded.
If it is necessary to adjust the volume level of the sound being monitored, do so by using the Volume Control.
•When recording from the Built-in Microphone, the sound being recorded cannot be monitored.

■ Erasure of Recordings

When recording, previously recorded signals on the tape will be erased automatically.
To erase a tape without re-recording, use the following procedure.
(Make no connections to the CD/Line Input Jacks.)

1. Set the Function Selector to "CD/LINE".
2. Press the Record Button.

USING THE SET AS AN AMPLIFIER

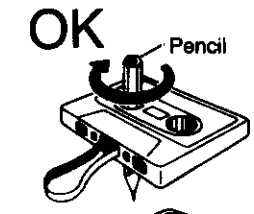
1. Connect the equipment to be amplified to the CD/Line Input Jacks.
2. Set the Function Selector to "CD/LINE".
3. Adjust the Volume and Graphic Equalizer Controls to the desired settings.
4. Set the Function Selector to "TAPE/OFF" to turn the unit off.

CASSETTE TAPES

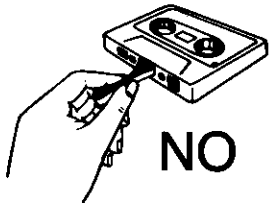
Use only good-quality tapes up to the length of C-90. Do not use C-120 tapes with this unit because these tapes can easily become broken or stretched if not used with extreme care and may get tangled with the capstan and pressure roller.

Notes:
- •Use normal types of cassette tapes only. If other tapes are used, you may not obtain optimum performance.
- •Cassettes, both recorded and unrecorded, should not be stored in locations with high temperature, high humidity or direct sunlight. Never place a recorded cassette near a magnetic source, such as a magnet or a TV set as this may affect tape performance.

If the tape loosens, take up the slack by turning the reel in the proper directions.

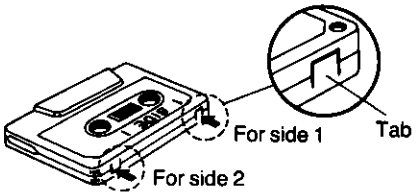


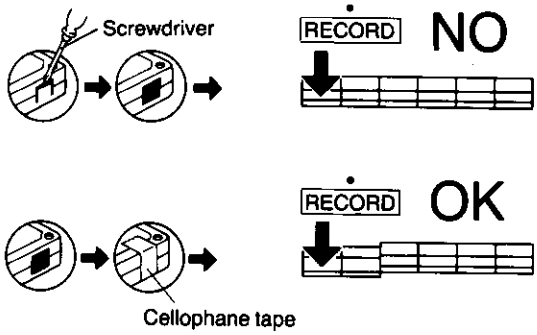
Do not handle, or pull the tape out of the cassette.



RECORD PREVENTION TABS

Cassettes are provided with plastic tabs (as illustrated) to prevent accidental erasing of a recording.
Recordings can be made only when the tab is intact.
There is one tab for each side of the tape. To preserve a valuable recording, the tab(s) should be broken off with a small screwdriver.
If you want to record on a track whose tab has already been broken off, use cellophane tape to cover the hole, and record.



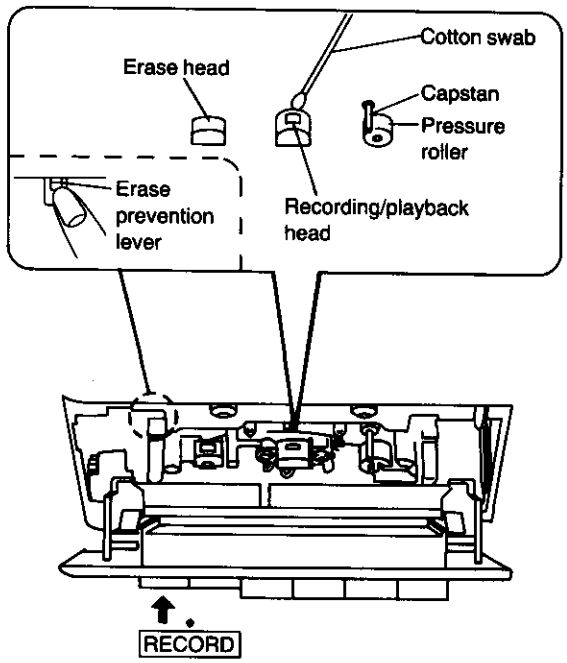


MAINTENANCE

The head assembly, Capstan, and Pressure roller are in constant contact with the tape. If these parts are dirty, the sound quality will be impaired. Get into the habit of cleaning the parts regularly (after every 10 hours or so of use) in accordance with the procedure outlined below.

1. Open the Cassette Compartment cover by pressing the Stop/Eject Button.
2. Press the Record Button while pushing the Erase prevention lever (see the figure) located inside the Cassette Compartment.

The Recording/playback head, Erase head, Capstan and the Pressure roller can be seen. Clean them with a Cotton swab.

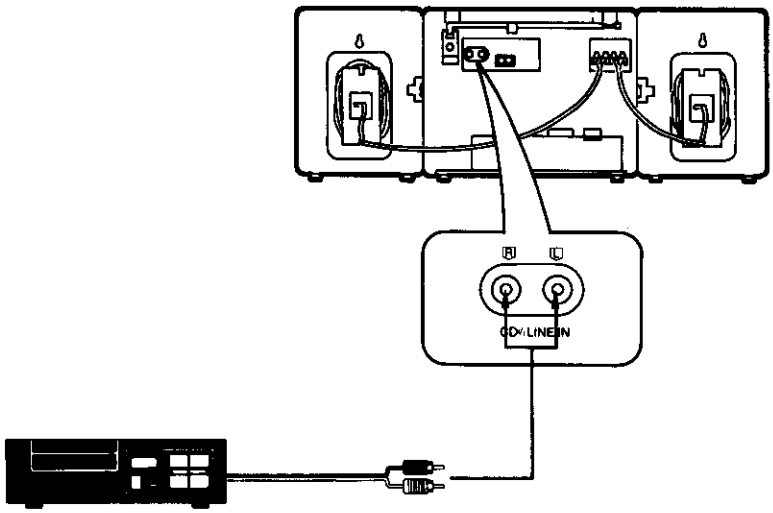


Notes:

- If the heads are extremely dirty, clean them with a soft cloth dampened with a little alcohol.
- Do not bring any type of metal objects or tools such as magnetic screwdrivers in contact with the head assembly.
- Do not clean the plastic cabinet with benzine or thinner. Clean it with a solution of soap and water.
- Avoid spray-type insecticides. Some insecticides contain chemicals that could cause cabinet deformation.

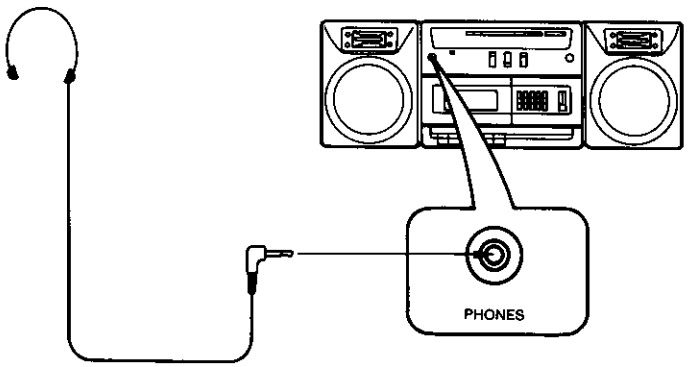
CONNECTIONS

Function Selector..."CD/LINE"



Compact disc player

Headphones
(EAH-S18, optional)



SPECIFICATIONS

■ Radio

Frequency Range:	FM; 88–108 MHz AM; 525–1705 kHz

■ Tape recorder

Track System:	4-track, 2-channel, stereo
Recording System:	AC bias, magnet erase
Monitor System:	Variable sound monitor
Frequency Response:	
Normal;	70 Hz–9000 Hz

■ General

Power Requirement:	AC; 230–240 V, 50 Hz Power consumption; 15 W Battery; 9 V (6 UM-1 size, R20/LR20 size batteries)
Speakers:	2-Woofers; 12 cm 2-Tweeters; 2 cm
Jacks:	
Input;	CD/LINE IN; −8 dB/47 kΩ
Output;	SPEAKER; 2.7~8Ω HEADPHONES; 32Ω
Dimensions (W×H×D):	552×199×163 mm Main unit; 260×199×163 mm Speaker box; 150×198×154 mm
Weight:	3.2 kg without batteries

Design and specifications are subject to change without notice.

Matsushita Electric Industrial Co., Ltd.
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F0591G0